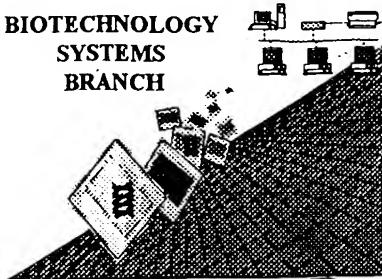


2974
04/20

BIOTECHNOLOGY
SYSTEMS
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RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

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Source: OIPE
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

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PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/034,015

DATE: 01/23/2002
TIME: 10:07:50

Input Set : A:\Pde10.app
Output Set: N:\CRF3\01222002\J034015.raw

3 <110> APPLICANT: Loughney, Kate
 5 <120> TITLE OF INVENTION: Phosphodiesterase 10
 7 <130> FILE REFERENCE: 27866/35308
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/034,015
 C--> 10 <141> CURRENT FILING DATE: 2001-12-20
 12 <150> PRIOR APPLICATION NUMBER: 60/075,508
 13 <151> PRIOR FILING DATE: 1998-02-23
 15 <160> NUMBER OF SEQ ID NOS: 26
 17 <170> SOFTWARE: PatentIn Ver. 2.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 1548
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: CDS
 26 <222> LOCATION: (26)..(1423)
 28 <400> SEQUENCE: 1
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 30 Met Asp Ala Phe Arg Ser Thr Pro Tyr
 31 1 5
 33 aaa gtg aga cct gtg gcc atc aag caa ctc tcc gag aga gaa gaa tta 100
 34 Lys Val Arg Pro Val Ala Ile Lys Gln Leu Ser Glu Arg Glu Glu Leu
 35 10 15 20 25
 37 atc cag agc gtg ctg gcg cag gtt gca gag cag ttc tca aga gca ttc 148
 38 Ile Gln Ser Val Leu Ala Gln Val Ala Glu Gln Phe Ser Arg Ala Phe
 39 30 35 40
 41 aaa atc aat gaa ctg aaa gct gaa gtt gca aat cac ttg gct gtc cta 196
 42 Lys Ile Asn Glu Leu Lys Ala Glu Val Ala Asn His Leu Ala Val Leu
 43 45 50 55
 45 gag aaa cgc gtg gaa ttg gaa gga cta aaa gtg gtg gag att gag aaa 244
 46 Glu Lys Arg Val Glu Leu Gly Leu Lys Val Val Glu Ile Glu Lys
 47 60 65 70
 49 tgc aag agt gac att aag aag atg agg gag gag ctg gcg gcc aga agc 292
 50 Cys Lys Ser Asp Ile Lys Lys Met Arg Glu Glu Leu Ala Ala Arg Ser
 51 75 80 85
 53 agc agg acc aac tgc ccc tgt aag tac agt ttt ttg gat aac cac aag 340
 54 Ser Arg Thr Asn Cys Pro Cys Lys Tyr Ser Phe Leu Asp Asn His Lys
 55 90 95 100 105
 57 aag ttg act cct cga cgc gat gtt ccc act tac ccc aag tac ctg ctc 388
 58 Lys Leu Thr Pro Arg Arg Asp Val Pro Thr Tyr Pro Lys Tyr Leu Leu
 59 110 115 120
 61 tct cca gag acc atc gag gcc ctg cgg aag ccg acc ttt gac gtc tgg 436
 62 Ser Pro Glu Thr Ile Glu Ala Leu Arg Lys Pro Thr Phe Asp Val Trp

R.S.
Does Not Comply
Corrected Diskette Needed:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/034,015

DATE: 01/23/2002
TIME: 10:07:51

Input Set : A:\Pde10.app
Output Set: N:\CRF3\01222002\J034015.raw

63	125	130	135	
65	ctt tgg gag ccc aat gag atg ctg agc tgc ctg gag cac atg tac cac			484
66	Leu Trp Glu Pro Asn Glu Met Leu Ser Cys Leu Glu His Met Tyr His			
67	140	145	150	
69	gac ctc ggg ctg gtc agg gac ttc agc atc aac cct gtc acc ctc agg			532
70	Asp Leu Gly Leu Val Arg Asp Phe Ser Ile Asn Pro Val Thr Leu Arg			
/1	155	160	165	
73	agg tgg ctg ttc tgc gtc cac gac aac tac aga aac aac ccc ttc cac			580
74	Arg Trp Leu Phe Cys Val His Asp Asn Tyr Arg Asn Asn Pro Phe His			
75	170	175	180	185
77	aac ttc cgg cac tgc ttc tgc gtg gcc cag atg atg tac agc atg gtc			628
78	Asn Phe Arg His Cys Phe Cys Val Ala Gln Met Met Tyr Ser Met Val			
79	190	195	200	
81	tgg ctc tgc agt ctc cag gag aag ttc tca caa acg gat atc ctg atc			676
82	Trp Leu Cys Ser Leu Gln Glu Lys Phe Ser Gln Thr Asp Ile Leu Ile			
83	205	210	215	
85	cta atg aca gcg gcc atc tgc cac gat ctg gac cat ccc ggc tac aac			724
86	Leu Met Thr Ala Ala Ile Cys His Asp Leu Asp His Pro Gly Tyr Asn			
87	220	225	230	
89	aac acg tac cag aat gcc cgc aca gag ctg gcg gtc cgc tac aat			772
90	Asn Thr Tyr Gln Ile Asn Ala Arg Thr Glu Leu Ala Val Arg Tyr Asn			
91	235	240	245	
93	gac atc tca ccg ctg gag aac cac cac tgc gcc gtg gcc ttc cag atc			820
94	Asp Ile Ser Pro Leu Glu Asn His His Cys Ala Val Ala Phe Gln Ile			
95	250	255	260	265
97	ctc gcc gag cct gag tgc aac atc ttc tcc aac atc cca cct gat ggg			868
98	Leu Ala Glu Pro Glu Cys Asn Ile Phe Ser Asn Ile Pro Pro Asp Gly			
99	270	275	280	
101	ttc aag cag atc cga cag gga atg atc aca tta atc ttg gcc act gac			916
102	Phe Lys Gln Ile Arg Gln Gly Met Ile Thr Leu Ile Leu Ala Thr Asp			
103	285	290	295	
105	atg gca aga cat gca gaa att atg gat tct ttc aaa gag aaa atg gag			964
106	Met Ala Arg His Ala Glu Ile Met Asp Ser Phe Lys Glu Lys Met Glu			
107	300	305	310	
109	aat ttt gac tac agc aac gag gag cac atg acc ctg ctg aag atg att			1012
110	Asn Phe Asp Tyr Ser Asn Glu Glu His Met Thr Leu Leu Lys Met Ile			
111	315	320	325	
113	ttg ata aaa tgc tgt gat atc tct aac gag gtc cgt cca atg gaa gtc			1060
114	Leu Ile Lys Cys Cys Asp Ile Ser Asn Glu Val Arg Pro Met Glu Val			
115	330	335	340	345
117	gca gag cct tgg gtg gac tgt tta tta gag gaa tat ttt atg cag agc			1108
118	Ala Glu Pro Trp Val Asp Cys Leu Leu Glu Glu Tyr Phe Met Gln Ser			
119	350	355	360	
121	gac cgt gag aag tca gaa ggc ctt cct gtg gca ccg ttc atg gac cga			1156
122	Asp Arg Glu Lys Ser Glu Gly Leu Pro Val Ala Pro Phe Met Asp Arg			
123	365	370	375	
125	gac aaa gtg acc aag gcc aca gcc cag att ggg ttc atc aag ttt gtc			1204
126	Asp Lys Val Thr Lys Ala Thr Ala Gln Ile Gly Phe Ile Lys Phe Val			
127	380	385	390	

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PATENT APPLICATION: US/10/034,015

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Input Set : A:\Pde10.app
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129 ctg atc cca atg ttt gaa aca gtg acc aag ctc ttc ccc atg gtt gag 1252
 130 Leu Ile Pro Met Phe Glu Thr Val Thr Lys Leu Phe Pro Met Val Glu
 131 395 400 405
 133 gag atc atg ctg cag cca ctt tgg gaa tcc cga gat cgc tac gag gag 1300
 134 Glu Ile Met Leu Gln Pro Leu Trp Glu Ser Arg Asp Arg Tyr Glu Glu
 135 410 415 420 425
 137 ctg aag cgg ata gat gac gcc atg aaa gag tta cag aag aag act gac 1348
 138 Leu Lys Arg Ile Asp Asp Ala Met Lys Glu Leu Gln Lys Lys Thr Asp
 139 430 435 440
 141 agc ttg acg tct ggg gcc acc gag aag tcc aga ggg aga agc aga gat 1396
 142 Ser Leu Thr Ser Gly Ala Thr Glu Lys Ser Arg Gly Arg Ser Arg Asp
 143 445 450 455
 145 gtg aaa aac agt gaa gga gac tgt gcc tgaggaaagc gggggggcggtg 1443
 146 Val Lys Asn Ser Glu Gly Asp Cys Ala
 147 460 465
 149 gctgcagttc tggacgggct ggccgagctg cgccggatcc ttgtgcaggg aagagctgcc 1503
 151 ctgggcacct ggcaccacaa gaccatgtt tctaagaacc atttt 1548
 154 <210> SEQ ID NO: 2
 155 <211> LENGTH: 466
 156 <212> TYPE: PRT
 157 <213> ORGANISM: Homo sapiens
 159 <400> SEQUENCE: 2
 160 Met Asp Ala Phe Arg Ser Thr Pro Tyr Lys Val Arg Pro Val Ala Ile
 161 1 5 10 15
 163 Lys Gln Leu Ser Glu Arg Glu Glu Leu Ile Gln Ser Val Leu Ala Gln
 164 20 25 30
 166 Val Ala Glu Gln Phe Ser Arg Ala Phe Lys Ile Asn Glu Leu Lys Ala
 167 35 40 45
 169 Glu Val Ala Asn His Leu Ala Val Leu Glu Lys Arg Val Glu Leu Glu
 170 50 55 60
 172 Gly Leu Lys Val Val Glu Ile Glu Lys Cys Lys Ser Asp Ile Lys Lys
 173 65 70 75 80
 175 Met Arg Glu Glu Leu Ala Ala Arg Ser Ser Arg Thr Asn Cys Pro Cys
 176 85 90 95
 178 Lys Tyr Ser Phe Leu Asp Asn His Lys Lys Leu Thr Pro Arg Arg Asp
 179 100 105 110
 181 Val Pro Thr Tyr Pro Lys Tyr Leu Leu Ser Pro Glu Thr Ile Glu Ala
 182 115 120 125
 184 Leu Arg Lys Pro Thr Phe Asp Val Trp Leu Trp Glu Pro Asn Glu Met
 185 130 135 140
 187 Leu Ser Cys Leu Glu His Met Tyr His Asp Leu Gly Leu Val Arg Asp
 188 145 150 155 160
 190 Phe Ser Ile Asn Pro Val Thr Leu Arg Arg Trp Leu Phe Cys Val His
 191 165 170 175
 193 Asp Asn Tyr Arg Asn Asn Pro Phe His Asn Phe Arg His Cys Phe Cys
 194 180 185 190
 196 Val Ala Gln Met Met Tyr Ser Met Val Trp Leu Cys Ser Leu Gln Glu
 197 195 200 205
 199 Lys Phe Ser Gln Thr Asp Ile Leu Ile Met Thr Ala Ala Ile Cys

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/034,015

DATE: 01/23/2002
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Input Set : A:\Pde10.app
Output Set: N:\CRF3\01222002\J034015.raw

200	210	215	220
202	His Asp Leu Asp His Pro Gly Tyr Asn Asn Thr Tyr Gln Ile Asn Ala		
203	225	230	235
205	Arg Thr Glu Leu Ala Val Arg Tyr Asn Asp Ile Ser Pro Leu Glu Asn		240
206	245	250	255
208	His His Cys Ala Val Ala Phe Gln Ile Leu Ala Glu Pro Glu Cys Asn		
209	260	265	270
211	Ile Phe Ser Asn Ile Pro Pro Asp Gly Phe Lys Gln Ile Arg Gln Gly		
212	275	280	285
214	Met Ile Thr Leu Ile Leu Ala Thr Asp Met Ala Arg His Ala Glu Ile		
215	290	295	300
217	Met Asp Ser Phe Lys Glu Lys Met Glu Asn Phe Asp Tyr Ser Asn Glu		
218	305	310	315
220	Glu His Met Thr Leu Leu Lys Met Ile Leu Ile Lys Cys Cys Asp Ile		320
221	325	330	335
223	Ser Asn Glu Val Arg Pro Met Glu Val Ala Glu Pro Trp Val Asp Cys		
224	340	345	350
226	Leu Leu Glu Glu Tyr Phe Met Gln Ser Asp Arg Glu Lys Ser Glu Gly		
227	355	360	365
229	Leu Pro Val Ala Pro Phe Met Asp Arg Asp Lys Val Thr Lys Ala Thr		
230	370	375	380
232	Ala Gln Ile Gly Phe Ile Lys Phe Val Leu Ile Pro Met Phe Glu Thr		
233	385	390	395
235	Val Thr Lys Leu Phe Pro Met Val Glu Glu Ile Met Leu Gln Pro Leu		400
236	405	410	415
238	Trp Glu Ser Arg Asp Arg Tyr Glu Glu Leu Lys Arg Ile Asp Asp Ala		
239	420	425	430
241	Met Lys Glu Leu Gln Lys Lys Thr Asp Ser Leu Thr Ser Gly Ala Thr		
242	435	440	445
244	Glu Lys Ser Arg Gly Arg Ser Arg Asp Val Lys Asn Ser Glu Gly Asp		
245	450	455	460
247	Cys Ala		
248	465		
251	>210> SEQ ID NO: 3		
252	>211> LENGTH: 225		
253	>212> TYPE: DNA		
254	>213> ORGANISM: Homo sapiens		
256	<220> FEATURE:		
257	>223> OTHER INFORMATION: Nucleotides at positions 130, 186, and 205 are		
258	either A, T, G, or C.		
260	>400> SEQUENCE: 3		
261	aqcgaccgtg agaagtcaaga aggcccttcgt gtggAACCGT tcatggacccg agacaaAGTG 60		
263	accaaggcca cagcccagat tgggttcatc aagtttcccc tgatccaat gttgaaaca 120		
265	gtgaccaagn tcttccccat gtttgaggag atcatgctgc agccactttg ggaatccccga 180		
267	gatcgntacg aggagctgaa gcggntagat gacgccatga aagag 225		
270	>210> SEQ ID NO: 4		
271	>211> LENGTH: 158		
272	>212> TYPE: DNA		
273	>213> ORGANISM: Homo sapiens		

RAW SEQUENCE LISTING
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Input Set : A:\Pde10.app
Output Set: N:\CRF3\01222002\J034015.raw

275 <220> FEATURE:
 276 <223> OTHER INFORMATION: Nucleotides at positions 12, 36, 61, and 109 are either A, T, G, or C.
 279 <400> SEQUENCE: 4
 W--> 280 gtaccagatc antgcccga cagagctggc ggtccgtac aatgacatct caccgttgg 60
 W--> 282 gnaaccacca ctgcgcgtg gccttcaga tcctcgccga qcctgagtgn aacatctct 120
 284 ccaacatccc acctgatggg ttcaaggcaga tccgacag 158
 287 <210> SEQ ID NO: 5
 288 <211> LENGTH: 98
 289 <212> TYPE: DNA
 290 <213> ORGANISM: Homo sapiens
 292 <220> FEATURE:
 293 <223> OTHER INFORMATION: Nucleotides at positions 14, 22, and 50 are either A, T, C, or G.
 294 <400> SEQUENCE: 5
 W-> 297 gagaacacca ctgngccgtg gncttcaga tcctcgccga gcctgagtgn aacatcttct 60
 299 ccaacatccc acctgatggg ttcaaggcaga tccgacag 98
 302 <210> SEQ ID NO: 6
 303 <211> LENGTH: 418
 304 <212> TYPE: DNA
 305 <213> ORGANISM: Homo sapiens
 307 <220> FEATURE:
 308 <223> OTHER INFORMATION: Nucleotides at positions 1, 267, 352, 400, and 411 are either A, T, G, or C.
 309 <400> SEQUENCE: 6
 W--> 312 ngttaactg gcgcatttttg tctttctctg agaacagcga tctggttatg gggcatttct 60
 314 gtctctaattg tcactgtctg ctgcattccc tgcagagcga ccgtgagaag tcagaaggcc 120
 316 ttcccgtggc cccgttcatg gaccgagaca aagtgaccaa ggccacagcc caggattggg 180
 318 ttcatcaag tttgtcttga tccaaatgtt tgaaacagtg accaagctct tccccatggg 240
 W--> 320 ttgagggaga ttcatgtgg cagccanttt gggaaatccc gaggattcgc tacgagggag 300
 W--> 322 cttgaagcgg gattaggatg gacggccatg gaaaggagtt ttacaggaag gnaggatttg 360
 W--> 324 acagtttta agttttgggg gggccaccga ggaagttccn ggaggaggag naggcaga 418
 327 <210> SEQ ID NO: 7
 328 <211> LENGTH: 428
 329 <212> TYPE: DNA
 330 <213> ORGANISM: Homo sapiens
 332 <220> FEATURE:
 333 <223> OTHER INFORMATION: Nucleotides at positions 1, 82, 92, 130, 347, 390, 334 and 396 are either A, T, G, or C.
 336 <400> SEQUENCE: 7
 W--> 337 nagaaaaaat tgaacaaaat gtttctttaga aaacatggc ttgtgggcc aggtgcccag 60
 W--> 339 ggagctctc cctgcacaag gntcccgccg antcgccag cccgtccaga actgcagcca 120
 W-> 341 cgccccccgn tttcttcagg cacagtctcc ttcaactgttt ttcacatctc tgcttctctc 180
 343 tctggacttc tcggggccc cagacgtcaa gctgtcagtc ttcttctgtt actctttcat 240
 345 qggcgtcatc tatccgttca agctcctcgt aggcatctc ggggattccc aaagtggct 300
 W-> 347 gcagcatgtat cttctcaac catggggggg aggagcttg ggcactngtt ttcaaaaatt 360
 W--> 349 gggggatcag gggacaaact ttgattggan cccatnttgg ggcttttggg ctttgggc 420
 351 aatttttg 428
 354 <210> SEQ ID NO: 8

FST

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/034,015

DATE: 01/23/2002
TIME: 10:07:52

Input Set : A:\Pde10.app
Output Set: N:\CRF3\01222002\J034015.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:265 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:265 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:267 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:267 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:280 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:280 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:282 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
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L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:297 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
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L:322 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
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L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/034,015

DATE: 01/23/2002
TIME: 10:07:52

Input Set : A:\Pde10.app
Output Set: N:\CRF3\01222002\J034015.raw

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